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OM nucleic - nucleic search, using sw model

September 1, 2000, 01:15:48; Search time 261.02 Seconds (without alignments) 4326.089 Million cell updates/sec

Perfect score: US-09-171-553-3 8209

Sequence:

ring table:

IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 243080 seqs, 68777915 residues

Total number of hits satisfying chosen parameters:

486160

Minimum DB seq length: 0
Maximum DB seq length: 1000000

Post-processing: Minimum Match 0%

Maximum Match 100% Listing first 45 summaries

Database :

Issued_Patents_NA: * /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
/cgn2_6/ptodata/2/ina/5B_COMB.seq:*
/cgn2_6/ptodata/2/ina/5C_COMB.seq:*
/cgn2_6/ptodata/2/ina/5C_COMB.seq:*
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/cgn2_6/ptodata/2/ina/FCTUS_COMB.seq:*
/cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Score	% Query Match	Length	₽B	ID	Description
1	2244.4	. ,	8535	5	US-08-716-351A-1	Sequence 1, Ap
N	174	21.3	8323		-08-110-30	
w	1747		8323		-08-886-	œ *
4	7.4	•	8323		T-US93-08041	8
ი 5	æ		8202	2	08-258-420-1	e 13,
	- 1	•	8332		-08-850-961-	1,
	1596	•	10367		-08-110-300A	9
	1596	•	10367		-08-886-	9
ი 9	1596		10367		T-US93-08041	9,
	852.6	•	3674	ᆫ	08-105-483-3	32
11	852.6	10.4	3674	N	09-209-32	Ω
12	852.6	•	3674	2	-08-458-101-32	32
13	815.4	•	6363	w	29-	6
14	359.4	•	10970	σ	-08-716-351A	υ ,
15	303.8	•	1965	N	-08-258-	Ø
16	301.4	3.7	2499	<u>, , , , , , , , , , , , , , , , , , , </u>	-08-105-483-31	31
17	301.4		2499	2	-08-709-209-3	Sequence 310, App
18			2499	N	-458-101-31	ω
19	•	•	2001	5	US-08-850-961-13	13
. 20	•	•	949	6		۲
c 21	•	•	949	6	PCT-US91-08254-2	'n
22	•		1911	2	258-420-	œ e
23	•		1914	N	8	e 7,
24			789	_	-08-181-335B-	e ω
25	274.8	ω . υ	789	ب	US-08-181-335B-5	Sequence 5, Appli
26			700		200	ת

Query Match 27.3%; Score 2244.4; DB 5; Length 8535; Best Local Similarity 59.1%; Pred. No. 0; Matches 4366; Conservative 0; Mismatches 2811; Indels 215; Gaps

332 agcagacgtgctaggaaggatcacaggctgccaccctgggggaacgccccgggaaggtgggga 391

45	44	43	42	41	40	39	38	37	36	ω S	34	ယ	32	<u>υ</u>	30	29	28	27
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1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.0	2.0	2.1	2.3	2.3	2.7	2.8	2.8	ω ω	ω ω	ω
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US-08-716-351A-3	US-08-691-563C-1	US-08-470-006A-1	US-08-384-137-1	US-08-471-969-1	US-08-471-724-1	US-08-691-563C-61	US-08-716-351A-4	US-08-532-814-1	US-08-691-563C-53	US-08-691-563C-57	US-08-073-836-2	US-08-073-836-1	US-08-798-000-2	US-08-798-000-1	US-08-798-000-3	PCT-US95-00129-6	PCT-US95-00129-5	PCT-US95-00129-3
Sequence 3	Sequence 1	Sequence 1	Sequence 1	Sequence 1	Sequence 1	Sequence 6	Sequence 4	Sequence 1	Sequence 5	Sequence 5	Sequence 2	Sequence 1	Sequence 2	Sequence 1	Sequence 3	Sequence 6	Sequence 5	Sequence 3
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ALIGNMENTS

; NAME/KEY: misc_feature; LOCATION: 1.8535; OTHER INFORMATION: /standard_name= "GalV SEATO Genome" US-08-716-351A-1	; SEQUENCE CHARACTERISTICS: ; LENGTH: 8535 base pairs ; TYPE: nucleic acid ; STRANDEDNESS: single ; TOPOLOGY: linear ; MOLECULE TYPE: DNA (genomic) ; HYPOTHETICAL: NO ; FEATURE:	RESULT 1 US-08-716-351A-1 US-08-716-351A-1 Sequence 1, Application US/08716351A Patent NO. 6033905 Patent NO. 6033905 APPLICANT: TITLE OF INVENTION: Gibbon Ape Leukemia Virus-Based TITLE OF INVENTION: Retroviral Vectors NUMBER OF SEQUENCES: 5 COMPUTER READABLE FORM:
SEQUENCE CHARACTERISTICS: LENGTH: 8535 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: NO FEATURE:		ו או הכלכל פיס
NUMBER 06-A 106-A	APPLICATION NUMBER: PCT/US94/03784 FILING DATE: 06-APR-1994 ATTORNEY/AGENT INFORMATION: NAME: BASTLAN, KEVIN L. REGISTRATION NUMBER: 34,774 REFERENCE/DOCKET NUMBER: 15280-128-1PC TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 543-9600 TELEFAX: (415) 543-9600 TELEFAX: (415) 543-5043 INFORMATION FOR SEQ ID NO: 1:	

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5 ccttactct-aacaataactccccaggccagtagtaaacgccttatagac	571	Qy
4 GAGICCIGGAGCIGGAAAAGACIGAICCICCITAAGCIGCGIATICGGCGG	598	밁
5 tcggggtggagagccgaaaagactgagaatccccttaagcttcgcctccatcgcct	565	Qy
4 GGTATTGCTGCCTGGGTCCATGCTTCTCACCTCAAACCTGCACCACCTTCGGCAC	592	밁
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41 actogytggaagggaccttatctogtacttttgaccacaccaacggotgtgaaagtogaa 5600 	586	₽ Q
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1 catcgcttccaagttggagattcagtctatgttagacgccaccgtgcaggaaacctcgag 55	48	. Qy
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TCT 6821	CCCACCTCTTCCCCCAAGGGAAGCGCCACCGCCATCTCTCCCCGAC	
yac 6423	cygocotygayocaccycataacttyccygtyccccaattaacctcyctycgyccty	Qy
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ccc 6363	ccctgtggcaatgggacccgataaagtactggctgaacagggg	Qy
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jaa 6315	atggcgggggagcagggtccactttaaccattcgccttaggatagagacggggacag	Qy
AGA 6641	582 TTCACAGACAAAGGAAAATTATCCAAGGACTGGATAACGGGAAAAAACCTGGGGATTAA	Db
ta 6255	.200 caggaaatattcaaaagtggataaatggtatgagctgggggaatagttttttat	Qy
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AA 6521	462 TATTGGCTATCTAAATCCTCAAAAGACCTCATAACTGTAAAATGGGACCAAAATAGCC	_
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6044	010 tgtaggagatggagctgcgtcacctccaacgatgg	оу 6
	282 TATAAGCAAATCACCTGGGGAGCCATAGGGTGCAGCTACCCTCGGGCTAGGACTAGAA	Db 6
tc 6009	950 ttctattgctgcccaggcacagagaaagagaaatactgtgggggttctggggaatcct	0у 5
CT 6281	224 AACCGATGTCTCGTCCTCTAAACGAGTCAGACCTCCGGACTCAGACTATACTGCCG	Db 6
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Patent No. 5643756
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                                                                        APPLICANT: Pinter, Abraham
APPLICANT: Kayman, Samuel
TITLE OF INVENTION: FUSION GLYCOPROTEINS
NUMBER OF SEQUENCES: 25
CORRESPONDERCE ADDRESS:
COUNTRY: US
ZIP: 10111
                                                                                                                                                                                                                                                              8009 GAGAAATGGGGG 8020
                           CITY: New York
STATE: New York
                                                                                                                                                                                                                                                                                                                    7959 GAGAACGAAGGTAACCTTTAATTTT----
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                                                                                                                                                                                                                                                                                                                                                                 7899 ATCAATGATAGGATAAGTGCATGTTAAAATTCTGGTCCTTAGACAAAATATCAGGCCCTA 7958
                                                                                                                                                                                                                                                                                         624 gacaagaagtgg 7635
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7024 ctcggattagggacggcgttggcgtaggaacagggacagctgccctgatcacaggacca 7083
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                                                  E: Davis Hoxie Faithfull and Hapgood 45 Rockefeller pl.
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1046 cagcacagggtgctgtgaggggacctctgcccctcctggagctccggtggtggagggacc 1105
                                1036 ACCAMACCTAGGCCTCAAGTCCTTCCTGATAGCGGAGGACCACTCATTGATCTACTCACG 1095
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 55.6 Matches 4058; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                           986 ccyagatcyaggagccgccgacttggccggaaccccaacctgttcccccacccccttatc 1045
                                                                                            976 CCCCACTCTCGACCCCGCCCCAGTCCTCCCTCTATCCGGCTCTCACTTCTCCCTTTAAAC 1035
                                                                                                                         926 tettggagagaaaaacaaacaeteggeegaaaaagtegageeetetteetegtatetace 985
                                                                                                                                                        916 TTCGTGCACCCTAAAGCTCCCCTCTCTCTTCCCCCCTTCAGCCCCCTCTCTCCCCACCTGAA 975
                                                                                                                                                                                     885 tggctaaa------taaaccaagaaagccaggtccccgaatcctggc 925
                                                                                                                                                                                                                     825 gagccctatatccttacgtggcaagatttggcagaagatcctccgccatgggttaaacca 884
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                                                                                                                                                                                                                                                                                796 ATTATTACACAGGTTAAGATCAAGGTCTTCTCACCTGGCCCACATGGACATCCGGATCAG
                                                                                                                                                                                                                                                                                                                                           736 TCTGCAGAATGGCCAACCTTCAACGTCGGATGGCCACGAGACGGCACTTTTAACCCAGAC 795
                                                                                                                                                                                                                                                                                                                                                                676 GAACGGACAGCCCACAACCTGTCGGTAGAGGTTAGAAAAAAGGCGCTGGGTTACATTCTGC 735
                                                                                                                                                                                                                                                                                                                                                                                                                                  645 agatocagggotoataatttgtoagttoaggttaagaagggacottggoagactttotgt 704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   616 AACATGGGCCAGGCTGTTACCACCCCCTTAAGTTTGACTTTAGACCACTGGAAGGATGTC 675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       585 aatatgggacagacagtgactaccccccttagtttgactctcgaccattggactgaagtt 644
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               467 tccgcggccgtccgactcttttgcctgcttgtggaa--gacgcggacgggtcgcgtgtgt 524
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                558 CTGCTGCAGCATCGTTCTGTGTCTCTGTTTTGACTGTT--TTTCTGTATTTGTCTGAA 615
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HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 11
TELECOMMUNICATION INFORMATION: 212-757-2200
TELEFAX: 212-586-1461
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                           attatoctggctgttaaggcaatcatttttcagactggacccggctctcatcctgatcag 824
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: FILING DATE: 20-AUG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Similarity 55.6%;
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27;

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                    Minimum DB seq length: 0
Maximum DB seq length: 1000000
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                                                                                                                                             Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Scoring table:
                                                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                      irched:
                                              Issued_Patents_NA:*
1: /cgn2_6/ptodata/2,
2: /cgn2_6/ptodata/2,
3: /cgn2_6/ptodata/2,
4: /cgn2_6/ptodata/2,
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3320
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Copyright (c) 1993 - 2000 Comp
/cgn2_6/ptodata/2/ina/5A_COMB.seq:*
/cgn2_6/ptodata/2/ina/5B_COMB.seq:*
/cgn2_6/ptodata/2/ina/5C_COMB.seq:*
/cgn2_6/ptodata/2/ina/5D_COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

/cgn2_6/ptodata/2/ina/backfiles1.seq:*

SUMMARIES

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13, 14, 15, 16, 11, 11, 11, 11, 11, 11, 11, 12, 12, 12	9 10 11 12	143841005	io.
226.6 221.6 221.8 218.2 218.2 218.3	916.2 910.8 624.6 300.4 300.4	108 33. 33. 93. 93.	Score
	99877	32.8 28.1 28.1 28.1 28.1 28.1	% Query Match
734 1234 1237 3674 3674 3674 2348 1167 2348 1158 1158 1158 1158 1158	8332 8202 6363 949	,	Length
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US-08-798-000-3 US-08-798-000-1 US-08-798-000-2 US-08-105-483-324 US-08-105-483-324 US-08-691-563C-53 US-08-691-563C-53 US-08-691-563C-52 US-08-471-724-1 US-08-384-137-1 US-08-384-137-1 US-08-384-137-1 US-08-691-563C-1		-08-110-300A -08-110-300A -08-886-642- T-US93-08041 -08-110-300A -08-886-642- T-US93-08041	ID
Sequence 3, Appli Sequence 2, Appli Sequence 2, Appli Sequence 324, App Sequence 324, App Sequence 324, Appli Sequence 53, Appli Sequence 51, Appli Sequence 1, Appli	2,63,1	. 0 0 0 0 0 0 0 1	Description

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22 gatgccttcttctgcctgagattacaccccactagccaaccactttttgccttcgaatgg 81

0; Mismatches 920; Indels 81; Gaps

DB 5; Length 8535;

Score 1088; Pred. No. 0;

Query Match 32.8%; Best Local Similarity 63.8%; Matches 1761; Conservative

28 119.2 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	91 2.7 246240 3 US 91 2.7 246240 3 US 91 2.7 246240 3 US 91 2.7 246240 3 US 85.2 2.6 6350 3 US 74.8 2.3 741 3 US 74.8 2.3 741 4 US 74.8 2.3 741 5 US 74.8 2.3 741 5 US 74.8 2.3 741 5 US 74.8 2.3 741 5 US 72.4 2.2 645 3 US 73.4 2 US 74.4 2 US 75.4 2 US 76.4 2 US 77.4 2 US 77.4 2 US 78.4 2 US 78.4 2	ဂ																		
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.7 246240 3 US .7 246240 3 US .6 6350 3 US .6 741 2 US .7 741 3 US .7 741 4 US .7 645 3 US .6 645 3 US .6 645 3 US .7 645 1 US .7 5345 1 US	7 246240 3 US-08-724-394A-20 Sequence 7 246240 3 US-08-724-394A-21 Sequence 7 246240 3 US-08-724-394A-22 Sequence 6 6350 3 US-08-38-335A-8 Sequence 7 246240 3 US-08-471-724-9 Sequence 7 241 2 US-08-471-724-9 Sequence 7 241 3 US-08-471-969-9 Sequence 7 241 4 US-08-471-969-9 Sequence 7 241 4 US-08-471-724-8 Sequence 7 241 5 US-08-691-563C-9 Sequence 7 245 3 US-08-471-724-8 Sequence 7 245 1 US-08-681-878A-47 Sequence 7 245 1 US-08-681-878A-47 Sequence 7 245 1 US-08-645-314 Sequence 7 245 1 US-08-22-463-14 Sequence 7 245 1 US-08-232-463-14 Sequence 8 25-08-232-463-14 Seque	53.2	55.4	63	63	72.4	72.4	72.4	72.4	72.4	74.8	74.8	74.8	74.8	74.8	85.2	91	91	91	7.677
	3 US-08-724-394A-20 Sequence 3 US-08-724-394A-21 Sequence 3 US-08-724-394A-22 Sequence 3 US-08-385-385-8 Sequence 2 US-08-385-385-8 Sequence 2 US-08-471-724-9 Sequence 1 2 US-08-471-724-9 Sequence 1 3 US-08-471-724-9 Sequence 2 US-08-471-724-8 Sequence 2 US-08-471-969-8 Sequence 3 US-08-471-969-8 Sequence 5 US-08-471-724-8 Sequence 5 US-08-681-583C-8 Sequence 5 US-08-691-583C-8 Sequence 5 US-08-691-583C-8 Sequence 5 US-08-691-581C-8 Sequence 5 US-08-691-581C-8 Sequence 5 US-08-691-581C-8 Sequence 5 US-08-691-581C-8 Sequence 5 US-08-686-878A-47 Sequence 5 US-08-044-618-7 Sequence 5 US-08-044-618-7 Sequence 5 US-08-044-618-7 Sequence	1.6	1.7	1.9	1.9	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.6	2.7	2.7	2.7	0.0
3 US-08-724-394A-21 3 US-08-724-394A-21 3 US-08-724-394A-22 3 US-08-724-394A-22 3 US-08-724-394A-22 3 US-08-471-724-9 2 US-08-471-969-9 3 US-08-470-006A-9 4 US-08-471-969-8 5 US-08-6471-969-8 3 US-08-471-969-8 3 US-08-471-969-8 3 US-08-471-969-8 3 US-08-471-969-8 3 US-08-471-969-8 3 US-08-471-969-8 3 US-08-471-969-8 3 US-08-471-969-8 3 US-08-471-969-8 3 US-08-471-969-8 4 US-08-686-878A-47 1 US-08-686-878A-47 1 US-08-686-878A-47 1 US-08-686-878A-47 1 US-08-686-878A-47	-08-724-394A-20 Sequence -08-724-394A-21 Sequence -08-724-394A-21 Sequence -08-385-35SA-8 Sequence -08-471-724-9 Sequence -08-471-969-9 Sequence -08-471-969-9 Sequence -08-471-969-8 Sequence -08-471-724-8 Sequence -08-721-89-1 Sequence -08-691-53C-8 Sequence -08-691-53C-8 Sequence -08-691-53C-8 Sequence -08-691-53C-8 Sequence -08-721-489-1 Sequence -08-721-489-1 Sequence -08-721-489-1 Sequence -08-721-489-1 Sequence -08-721-489-1 Sequence -08-721-489-1 Sequence	7218	5345	374	374	645	645	645	645	645	741	741	741	741	741	6350	246240	246240	246240	1607
US-08-724-394A-21 US-08-724-394A-21 US-08-724-394A-22 US-08-385-335A-8 US-08-471-724-9 US-08-471-724-9 US-08-471-769-9 US-08-471-769-8 US-08-471-724-8 US-08-471-724-8 US-08-691-563C-9 US-08-691-563C-9 US-08-471-724-8 US-08-471-724-8 US-08-471-724-8 US-08-471-724-8 US-08-471-724-8 US-08-471-744-8 US-08-741-744-8 US-08-741-744-8 US-08-691-563C-8 US-08-741-74-7 US-08-691-563C-8	-08-724-394A-20 Sequence -08-724-394A-21 Sequence -08-724-394A-21 Sequence -08-385-35SA-8 Sequence -08-471-724-9 Sequence -08-471-969-9 Sequence -08-471-969-9 Sequence -08-471-969-8 Sequence -08-471-724-8 Sequence -08-721-89-1 Sequence -08-691-53C-8 Sequence -08-691-53C-8 Sequence -08-691-53C-8 Sequence -08-691-53C-8 Sequence -08-721-489-1 Sequence -08-721-489-1 Sequence -08-721-489-1 Sequence -08-721-489-1 Sequence -08-721-489-1 Sequence -08-721-489-1 Sequence		_	N	N	σ	4	w	ω	Ŋ	Ç	4	w	w	2	w	w	ω	ω	·
		US-08-232-463-14	US-08-044-618-7	US-08-721-489-1	US-08-686-878A-47	US-08-691-563C-8	US-08-470-006A-8	US-08-384-137-8	US-08-471-969-8	US-08-471-724-8	US-08-691-563C-9	US-08-470-006A-9	US-08-384-137-9	US-08-471-969-9	US-08-471-724-9	US-08-385-335A-8	US-08-724-394A-22	US-08-724-394A-21	US-08-724-394A-20	05-00-140-00-2/

US-08-716-351A-1 ALIGNMENTS

RESULT

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; OTHER INFORMATION: /standard_name= "GaLV SEATO Genome" US-08-716-351a-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (415) 543-504 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 8535 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: PCT/US94/03784
FILING DATE: 06 APR-1994
FILING DATE: 100 APR-1994
FILING
                                                                                                                                                                                                                     FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 543-9600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/716,351A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                       HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 15:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
CLASSIFICATION:
                                                                                                     NAME/KEY: misc_feature LOCATION: 1.8535
                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Bastian,, Kevin REGISTRATION NUMBER: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                  linear
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Ф	CTGTGATTGCTTCCCATAGCCTCGAAAGCATC	_
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ggtggacgggaccgcacgatctgggccagcagcctg 1221 	gtggacg GTAGATG	Qy Db

밁 δõ 밁 Ş 밁 밁 Š В Ş Ş B Ş 밁 Š 밁 δõ 밁 US-08-110-300A-8 Sequence 8, Application US/08110300A Patent No. 5643756 APPLICATION NUMBER: US/08, FILING DATE: 20-AUG-193 CLASSIFICATION: 435 ATTORNEY/AGENT INFORMATION: NAME: Jacobs, Seth H. GENERAL INFORMATION: 5936 2602 5816 5756 5636 ATTOTOTATGGAGGACCACCCCCCATACTTGAGTCTGGAGAAACTTTGGGTCCCGATGAT 5695 2362 ttgctctacgggggaccccccccgttggcagaaattgcctttgcacatagtgctgatgtg 2421 5576 5516 AAAGAGACCTTGACCAAATTAGCCTTAGAGACCGGTGGAAAAGACTGGGTGACCCTCCTT 2242 aaagagaccottaccaaattgaccacagagactggcattaatgattggattggctctcctg 2301 APPLICANT: Kayman, Samuel
APPLICANT: Kayman, Samuel
TITLE OF INVENTION: FUSION GLYCOPROTEINS
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS: 5996 CTGGAAAAGACTGATCATCCTCTTAAGCTGCGTATTCGGCGGCGGCGGGACGAGTCTGCA 6055 5876 REGISTRATION NUMBER: 32,140
REFERENCE/DOCKET NUMBER: 111
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-757-2200 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk 6056 AA 6057 2776 aa 2777 CURRENT APPLICATION DATA: COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version COUNTRY: STREET: ADDRESSEE: TELEFAX: TELEPHONE: CCCTTAGCGCTGCTTAGGGCCAGGAATACCCCTGGCCGGTTTGGTTTAACTCCTTATGAA 5635 gccgaaaagactgaaaatccccttaagcttcgcctccatcgcgtggttccttactctgtc 2775 ccctttgtgctttttagggtgaggaacacccctggacagtttgggctgaccccctatgaa 2361 ggacettatetegtacttttgaceacaccaacggetgtgaaagtegaaggaatceecace GTCGGGGATCAAGTGCTTGTCAGACGCCATCGACCCAGCAGCCTTGAGCCTCGGTGGAAA 5875 gttggagattcagtctatgttagacgccaccgtgcaggaaacctcgagactcggtggaag tggaagcagctccgggaggcctactcaggaggagacttgcaagttccacatcgcttccaa TGGGTCCATGCTTCTCACCTCAAACCTGCACCACCTTCGGCACCAGATGAGTCCTGGGAG tggatccatgcatcccacgttaagccggcgccacct-----cccgattcggggtggaaa GGCCCATACCTGGTGTTGCTGACTACCCCGACCGCGGTAAAAGTCGATGGTATTGCTGCC TGGGACCAGATCAAAGAGGTGTATAAGCCTGGTACCGTAACAATCCCTCACCCGTTCCAG AGATTTCTCCCTGTCTTATTTACTCACTTAAAGGCTTTAGAAATTGTAAGGACCCAAATC 5755 NSSEE: Davis Hoxie Faithfull and Hapgood 17: 45 Rockefeller Pl.
New York 10111 New York USA 212-586-1461 US/08/110,300A 1698A50 5575 2661 5815 2541

Qy B Ω DЬ δÃ. В δÃ QΥ B В Š 밁 US-08-110-300A-8 20 밁 δÃ рь Qy DЬ δÃ dd Ş Вb 20 밁 Ş 밁 Š 밁 Query Match Best Local Similarity Matches 1702; INFORMATION FOR SEQ ID NO: E
SEQUENCE CHARACTERISTICS:
LENGTH: 8323 base pairs
TYPE: nucleic acid
STRANDEDNESS: double HYPOTHETICAL: ANTI-SENSE: 3169 TTCAAAAACAGTCCCACCCTGTTTGATGAAGCCCTGCACAGGGACCTCGCAGACTTCCGG 3109 TGGAGAGATCCAGAGATGGGAATCTCAGGACAATTAACCTGGACCAGACTCCCGCAGGGT 3168 MOLECULE TYPE: 3289 TCTGAGCTTGACTGTCAACAAGGTACGCGGGCCCTGTTACAAACCCTAGGGGACCTCGGA 3829 ATGGTAGCAGCCATCGCCGTTCTGACCAAAGACGCTGGCAAGCTCACCATGGGACAGCCA 3888 3709 139 319 259 accaaacaggactgcttagaaggtacgaaggcactactgctggaattgtctgacctaggc 79 tggagagatccaggtacgggaagaaccgggcagctcacctggacccgactgccccaaggg 138 19 acagatgcottcttctgcctgagattacacccccactagccaaccactttttgccttcgaa 78 TOPOLOGY: atocaacacoctcaggtgaccctcctccagtacgtggatgacctgcttctggcgggagcc ttcaagaactccccgaccatctttgacgaagccctacacagggaccttggccaacttcagg 198 agtttgcggggcgggcagcgatggctgacggaggcacggaagaaaactgtagtccagata tacagagoctotgotaagaaggoccagatttgoaggagagagggtaacatacttggggtac GAGAAGCAGGGCTACGCCAAAGGTGTCCTAACGCAAAAACTGGGGCCTTGGCGTCGGCCG ctgagcgcacctgctctggccctccctgacgtaactaaaccctttaccctttatgtggat 678 ctgtggatcccggggtttgcgaccttagcagccccactctacccgctaaccaaagaaaa ccggcccaaccacgcaaacaagtgagagagtttttggggacagctggattttgcaga 498 CTTCTAAAAGAGGGTCAGAGATGGCTGACTGAGGCCAGAAAAGAGACTGTGATGGGGCAG TATCGGGCCTCGGCCAAGAAAGCCCCAAATTTGCCCAGAAACAGGTCAAGTATCTGGGGTAT ATCCAGCACCCAGACCTGATTCTGCTCCAGTATGTAGATGACTTACTGCTGGCCGCCACT gctatcgcagctgtggccatactggtcaaggacgctgacaaattgactttgggacagaat 858 TTAACTGCCCCTGCCCTGGGATTGCCAGACTTGACTAAGCCCTTCGAACTTTTTGTTGAC ACTCTGTTTGAGTGGGGCCCAGACCAGCAAAAGGCCCTACCAAGAGATCAAGCAGGCTCTC CTCTGGATCCCTGGGTTTGCAGAAATGGCAGCCCCCTTGTACCCTCTCACCAAAACGGGG CCTACTCCGAAGACCCCTCGACAACTAAGGGAGTTCCTAGGGACGGCAGGCTTCTGTCGC GTGGCCTACCTGTCCAAAAAGCTAGACCCAGTGGCAGCTGGGTGGCCCCCCTTGCCTACGG gttgcctacctgtcaaagaagcttgatcctgtagccagtggttggcccgtatgtctgaag gagcgtaagggagtagcccgaggagttttaaccccaaaccctaggaccatggaggagacct 738 gggggattctcctgggctcctgagcaccagaaggcatttgatgctatcaaaaaggccctg Conservative Š linear DNA (genomic) 28.1%; 8 0; Score 933.6; DB 1; Pred. No. 3.3e-274; 0; Mismatches 1094;

3348

258

618 3588 558 3528 3468

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42;

Gaps

7;

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